

THAT WHICH IS CLAIMED:

1. A decorative laminate comprising:

a substrate layer comprising a woven fiber material;

5 an embossable layer disposed upon said substrate layer, said embossable layer comprising a pigmented embossable resin; and

a protective layer comprising a polyvinyl fluoride-based material.

2. The decorative laminate of Claim 1, further comprising an ink layer

10 between said embossable layer and said protective layer.

3. The decorative laminate of Claim 2, wherein the ink layer has a plurality of colors and the embossable resin has a pigmentation of one of the plurality of colors.

15 4. The decorative laminate of Claim 2, wherein the ink layer has a predominant color and the embossable resin has a pigmentation of the same predominant color.

20 5. The decorative laminate of Claim 1, wherein the substrate layer comprises fibers selected from the group consisting of glass, aramid, carbon, and Kevlar.

6. The decorative laminate of Claim 1, wherein the embossable layer has a thickness between about 2 mil and about 8 mil.

25 7. The decorative laminate of Claim 6, wherein the embossable layer has a thickness between about 4 mil and about 6 mil.

8. The decorative laminate of Claim 1, wherein the protective layer has a thickness between about 0.2 mil and about 1.5 mil.

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9. The decorative laminate of Claim 8, wherein the protective layer has a thickness between about 0.5 mil and about 0.9 mil.

10. The decorative laminate of Claim 1, wherein the embossable resin is selected from the group consisting of epoxies, polyesters, phenols, and combination thereof (any more?).

11. The decorative laminate of Claim 1, wherein the fiber of the substrate material is embedded within a resin matrix.

12. The decorative laminate of Claim 1, wherein the polyvinyl fluoride-based material is selected from the group consisting of polyvinyl fluoride and polyvinylidene fluoride.

13. A method of making a durable decorative laminate comprising:  
printing an image on one side of a polyvinyl fluoride-based protective layer;  
providing a pigmented embossable resin layer wherein the pigmentation matches at least one color of the printed image;  
layering sequentially a woven fiber substrate layer, the pigmented embossable resin layer, and the fluoride-based protective layer, wherein the printed side of the protective layer faces the embossable layer; and laminating the layers.

14. The method of Claim 13, further comprising embedding the woven fiber within a resin matrix.

15. The method of Claim 13, further comprising embossing the pigmented embossable layer concurrent with the lamination of the layers.

16. The method of Claim 13, wherein printing further comprises reverse screen printing.

17. A decorative laminate comprising:

an embossable layer comprised of a pigmented embossable resin;  
an at least partially transparent layer disposed upon said embossable layer;

and

an ink layer disposed between said embossable layer and said protective layer, wherein the pigmentation of said embossable layer has a color that matches at least one color of the ink layer.

18. The decorative laminate of Claim 17, wherein the ink layer has a predominate color and the pigmentation of the embossable layer is the same as the predominate color of the ink layer.

19. The decorative laminate of Claim 17, further comprising a substrate layer comprising a woven fiber material disposed upon the embossable layer opposite of the ink layer.

20. The decorative laminate of Claim 17, wherein the protective layer comprises a polyvinyl fluoride-based material.

21. The decorative laminate of Claim 17, wherein the substrate layer comprises fibers selected from the group consisting of glass, aramid, carbon, and Kevlar.

22. The decorative laminate of Claim 17, wherein the embossable resin is selected from the group consisting of polyurethanes, epoxies, polyesters, phenols, and combination thereof.

23. The decorative laminate of Claim 17, wherein the woven fiber material is embedded within a resin matrix.

24. The decorative laminate of Claim 17, wherein the polyvinyl fluoride-based material is selected from the group consisting of polyvinyl fluoride and polyvinylidene fluoride.